INDEX TO

The REFINER AND NATURAL GASOLINE MANUFACTURER

For Refinery and Natural Gasoline Plant Executives

Volume 5 — Covering 1926

A Gulf Publishing Company Publication, published at 1716 Dallas Avenue, Houston, Texas.

ANTI-KNOCK GASOLINE

	Date	Page
The Anti-Knock Properties of Cracked Gasoline. *By Gustav Egloff*	June	25
Tetra-Ethyl Gasoline Regulations Proposed	May	62
Relation of Volatility to Acceleration and Anti-Knock Qualities of Natural Gasoline. *By Drs. E. H. Leslie and G. G. Brown*	July	34
Iron Carbonyl Has Anti-Knock Qualities. *By W. Oswald, Translation from Petroleum Zeitschrift*	October	25
Wade Hydrogenating Plant in Operation. *By George Reid*	November	24

ASSOCIATIONS

Manufacturers Have Valuable Session at Los Angeles Meeting	February	13
Refiners Preparing for Big Meeting	February	18
Refining Symposium Part of A. I. M. E. Program	February	22
Western Petroleum Refiners' Association 1926 Annual Convention	March	15
Traffic Matters to Demand Attention at N. P. A. Session	April	22
Natural Gasoline Program Assures Outstanding Convention	April	22
Convention Proves Mile Stone in Affairs of Refiners Association	April	48
Program—Fifth Annual Convention of the Association of Natural Gasoline Manufacturers, Tulsa Okla., May 5 and 6	May	17
Natural Gasoline Association Begins Campaign	July	29
Open Meeting of W. P. R. A. Technical Body Forecasts Other Sessions	August	22
Mid-Continent Refiners to Form Export Selling Corporation. *By Grady Triplett*	September	21
National Petroleum Association Program Announced	September	34
National Petroleum Association Enjoys Prosperous Year. *By Roye C. Munsell*	October	35
Proceedings of Eastern Refiners' Meet	October	36
Products and By-Products of Association Work. *By O. P. Keeney*	October	54
Manufacture Holds Prominent Place on A. P. I. Program. *By Grady Triplett*	November	23

BUYERS' GUIDE

Equipment Buyer's Guide for 1926	April	52

CHEMISTRY, IN ITS RELATION TO REFINING

Unsaturates, Aromatics, Naphthenes Change Complexion and Value. *By George Reid*	January	17
Treating Used Oil with Fuller's Earth. *By Ismar Ginsberg*	January	23
Colloidal Chemistry of Petroleum Refining. *By Ismar Ginsberg*	January	32
Mineral Oil Distillation With Large Evaporating Surface. *By Ismar Ginsberg*	February	26
Tests Made to Determine Specifications of Various Products. *By A. P. Bjerregaard*	March	16
Contributing Factors to Corrosion with Special Reference to Sulphur	March	33
Protecting Doctor from CO Pollution	March	37
Cresylic Acid from Petroleum Distillates. *By L. J. Catlin*	April	25
How to Clean an Engler Distillation Flask. *By H. L. Kauffman*	April	155
Using Activated Bleaching Earths on Acidified Lubricating Oils. *By Ismar Ginsberg*	May	32
Chemists Stress Petroleum Subjects at Tulsa Meeting. *By Roye Munsell*	May	49
Rapid Met[illegible] for Determining Litharge Percent in Doctor Solution	May	60
A Simple Test for Determining the Hardness of Water. *By Ralph E. Goode*	May	64
Electrical Heating for Oil Mixing Tank. *By Boogard and A. Boeden, in Petroleum Zeitschrift*	May	78
Laboratory Control of Boler Water Conditions. *By Ralph E. Goode*	June	23
[illegible]y Tar Distillation Process. *By Ginsberg*	June	30
[illegible]nation Offered	June	34
[illegible] Wood Surfacing	July	24
[illegible]	July	33
[illegible]y of Natural [illegible]	August	38
[illegible]	August	42
[illegible]	[illegible]	50
[illegible]		52
Refining Oil With Caustic Lye and Sulphuric Acid. *By Ismar Ginsberg*	August	64
Wedge Type Kiln Revivifies Fuller's Earth	September	24
Refining Oil with Caustic Soda and Sulphur Acid. *By Ismar Ginsberg*	September	26
The Molbydate Method for Determining Lead in Doctor	September	31
Refiners' Problems in Making Stoddard Cleaning Solvent. *By H. L. Kaufman*	September	36
Methods of Determining the Specific Gravity of Natural Gas. *By Guy S. Mitchell*	September	42
Recovering Inorganic Decolorizing Powders. *By Ismar Ginsberg*	November	54
Determining Small Moisture Content in Mineral Oils. *By W. Boller*	December	34

CHARCOAL ABSORPTION PROCESS

Permanent Charcoal Plant Installed for Natural Gas.	February	19
The Termination of Charcoal Tests. *By F. L. Kallam*	September	54
Charcoal Absorption—Theoretical Considerations. *By A. J. L. Hutchinson*	November	74

CRACKING PROCESSES

Cracking Process Dominate Refinery Improvement Program. *By Keith J. Fanshier*	February	21
Holmes-Manley Process Operates at Low Cost. *By R. C. Holmes*	April	34
Cracking Accomplished by Temperature in Pyro Process	April	37
Knox Process Fuel Submitted to Bureau of Standards	July	76
Cracking Heavy Hydrocarbons in the Presence of Catalyst. *By Ismar Ginsberg*	November	42

EDITORIALS

Research Aided	February	13
Editorial Comment	October	21
Signs of Progress; A Husky Infant	November	21

FEATURES

Dealing in Personalities—E. L. Peck, W. K. Holmes	March	50
Taking Off the Rough Spots With a Club. *By Grady Triplett*	April	29
Dealing in Pesonalities, F. A. Pielsticksr	May	70
Dealing in Personalities, Harry J. Bauer	August	60
Dealing Personalities, Robert E. Bering	September	40
Dealing in Personalities, D. E. Buchanan	October	62

FIRE PROTECTION

Steam Protection Against Fire for Oil Tanks. *By G. O. Wilson*	February	32
Organization Essential to Fire Fighting Unit. *By Frank G. Benedict*	July	31

GRAVITY

Is Gravity a Fair Basis for Crude Value. *By George Reid*	April	19

INDEX

Index to The Refiner and Natural Gasoline Manufacturer for 1925	January	21

INSULATION

What Insulation Means to the Refiner. *By L. E. Cover*	April	43
Some New Facts About Insulating and Lubricating. *By John V. Jirasek*		

KEROSENE

Making Kerosene Carry Its Own Load. *By Keith J. Fanshier*	February	23

LABORATORIES

Suitable Laboratory for Refinery of Modern Size. *By H. L. Kauffman*	June	19
Laboratory Essential to Quality Product from Natural Gasoline Plant. *By W. R. Lentz*	June	24
Specifications for Efficient Laboratory Air-Pressure Filter	June	22

LIGHTING

More Light at Lower Cost. *By Ralph E. Goode*	November	36

MARKETS

California Growing Factor in Eastern Gasoline Market. *By Grady Triplett*	January	13
Movement of California Oils to Atlantic and Gulf Ports.	January	

	Date	Page
Lowered Stocks Partly Responsible for Mid-Continent Crude Strength. *By Grady Triplett*	March	56
I. C. C. Rate Change Puts Higher Charges on Group 3 Refineries	July	40
Oklahoma Refiner to Seek Reopening of Mid-Continent Rate Case. *By Grady Triplett*	August	21
Mid-Continent Refiners Seek Lower Rates to Northeast. *By Grady Triplett*	November	23

NATURAL GASOLINE

Gasoline Manuafcturers to Have Part on A. P. I. Program	January	16
Position of Refiner and Natural Gasoline Manufacturer. *By Carl J. Von Bibra*	February	15
Next Few Years Hold Prosperity for Natural Gasoline. *By E. L. Peck*	February	17
West Texas Natural Gasoline Shipments Lower for 1925.	February	44
Gas Use May Be Determined by Three Committees	April	24
The Gilmore Portable Gasoline Plant	April	42
Organization Keeps Natural Gasoline on the Up Grade. *By Grady Triplett*	May	19
Natural Gasoline—A National Resource. *By John M. Hall*	May	21
Refinery Methods for Blending Natural Gasoline. *By H. L. Kauffman*	May	22
Standardization Sought in California Gasoline Corporation Plants	May	51
Absorbent Oil for Natural Gasoline Manufacture. *By Arthur L. Davis*	June	36
Gasoline Manufacturers Ready to Push Their Product. *By Grady Triplett*	June	52
The Economic Value of Natural Gasoline. *By E. K. Lederer*	June	56
Texas Refining Plants Adopting Natural Gas for Fuel. *By H. H. King*	June	83
Gasoline Improving in Quality Says Bureau of Mines	September	25
Fuel Volatility, Engine Performance and Natural Gasoline. *By George Granger Brown*	December	30
Texas Panhandle Area has 34 Natural Gasoline Plants Handling 350,000 Cubic Feet	December	87

PAINTING

In California They Wield the Paint Brush Constantly. *By George Reid*	July	25
Pure Oil Adopts Portable Paint Units. *By Roye Munsell*	July	28

PICTURES

Arthur J. L. Hutchinson	March	54
P. M. Giskell	April	48
C. L. Henderson, E. H. Eddleman, J. E. Shatford, E. D. Levy	April	50
E. L. Peck, F. E. Rice, A. M. Ballard, A. V. Bourque, A. J. Schlosser, H. A. Trower, Emby Kaye, John M. Hall	May	19
B. A. Whitney, M. E. Mockely, O. H. Schoenfeld, S. C. Carney, H. R. Johnson, John W. Hurley, E. R. Lederer, D. E. Buchanan	May	20
A. M. Ballard, F. L. Chase, A. V. Bourque, F. E. Rice	June	53
E. L. Peck	June	52

PLANT OPERATION AND EFFICIENCY

Keeping Men Sold on Their Jobs. *By Grady Triplett*	January	26
When Your Engine's Heart Stops. *By Ray E. Day*	February	30
Decreasing Refinery Evaporation Losses of Gasoline. *By Ludwig Schmidt*	March	21
Things to Remember About a Belt. *By Roye Munsell*	March	25
Sample Taking in the Oil Industry. *By Ismar Ginsberg*	March	36
Methods Used in Extending Credit	March	70
How to Conserve Steam in Refinery. *By H. S. Bell*	May	24
History of the Gas Engine. *By A. J. Schlosser*	May	28
Four-Tube Condenser Box Saves Time. *By H. L. Kauffman*	June	28
Depreciation and Depletion for Gasoline Plants. *By A. R. Morris*	June	58
New Pacific Coast Refinery Offers Engineering Advances. *By George Reid*	July	21
Special Products Built This Business. *By Grady Triplett*	July	23
Getting High Yield from a Skimming Plant. *By Roye Munsell*	July	44
Panhandle Crude Requires Special Operating Practice. *By Roye Munsell*	August	23
Richfield Refinery Core of Complete Oil Company Unit. *By George Reid*	August	25
Soaking Drums Cleaned Mechanically by Rotary Drilling Method. *By H. W. Fletcher*	August	28
Repair Procedure in Refineries. *By J. A. Cruze*	August	30
Rio Grande Plant Built for Permanence	August	31
Types of Buildings for Housing Refinery Equipment. *By H. L. Kaufman*	August	33
Good Houses Get Good Care	August	36
How a Plant was Brought Back to Efficient Operation. *By George Reid*	September	22
Fractionating Exchanger Increases Gasoline Yield. *By Ralph E. Goode*	September	27
California Company Puts Gasoline Back in the Crude. *By Roye Munsell*	September	29
Refinery Production of Asphalt Growing. *By George Reid*	September	32
P. & R. Employees Work by Regulations	September	58
How One Plant Increased the Working Power of Its Steam. *By George Reid*	October	28
Ingenious Construction Gives Ringling Plant High Yield. *By Ralph E. Goode*	October	30
How Shall Refiner Responsibility and Management be Distributed? *By H. L. Kauffman*	October	32
Modern Stills	October	36
What I Have Learned from a Study of Nineteen Boiler Houses. *By Herbert A. Ross*	October	40
The Influence of Psychology in the Operation of Small Refineries. *By Harry R. Lewis*	October	48
New Lessons from an Old Hazard. *By Houston Dunn*	October	50
Portable Retort Solves Road Oil Heating	October	64
Automatic Vapor Recovery System for Richfield Company	October	66
Pittsburgh Steel Has New Modern Tubular Mill	October	68
Elimination of Waste in Refining Petroleum. *By Charles G. Rebman*	November	26
Getting Finished Cuts from Single Tower. *By George Reid*	November	29
Cooling as Applied to Natural Gasoline Plants. *By H. J. Maxwell*	November	33
Table of Material and Labor Basis for Construction Work. *By Alexander B. Morris*	November	34
Pressure Equipment Requires Expert Inspection. *By Franklin L. Newcomb*	November	44
Barrel Drying Room of Simple Design. *By H. L. Kauffman*	November	46
Tile Wall Protects Refinery Tanks. *By Roye Munsell*	November	52
Electricity Used to Heat Grease Kettles	November	60
How to Find the Heat Value of Fuel Oil	November	64
New Procedure in Lube Manufacture Shows Good results. *By A. R. McTee*	December	24
Reducing Error in Handling Shipments. *By H. L. Kauffman*	December	36
What the Boss Wants in a Brief Report. *By George Reid*	December	54
Proper Design and Operation of Heat Exchangers. *By F. L. Kallam and A. F. Semino*	March	40
Proper Design and Operation of Heat Exchangers. *By F. L. Kallam and A. F. Semino*	April	26
Proper Design and Operation of Heat Exchangers. *By F. L. Kallam and A. F. Semino*	May	44
Proper Design and Operation of Heat Exchangers. *By F. L. Kallam and A. F. Semino*	June	44
Proper Design and Operation of Heat Exchangers. *By F. L. Kallam and A. F. Semino*	July	48
Number Two—The Low Stage Circuit	January	20
Number Three—The High Stage Circuit. *By Otto Peters*	February	28
Number Four—The Gasoline Circuit	March	24
Number Five—The Vapor Circuit. *By Otto Peters*	April	32
Number Six—The Residue Circuit. *By Otto Peters*	May	54
Five Rungs on the Progress Ladder. *By Otto Peters*	November	48

TANK CARS

How the Skelly Shop Cleans Tank Cars. *By Grady Triplett*	January	24
Testing Tank Car Safety Valves by Air. *By Roye Munsell*	January	19
Pure Oil Builds Modern Car Shops at Heath, Ohio. *By E. A. Kraft*	June	68
Painting Tank Cars Inside. *By Ralph E. Goode*	July	30

SAFETY

One Man Dead and Two Men Alive. *By Roye Munsell*	May	26
Making Safety an Individual Matter. *By Grady Triplett*	October	23
Safety Begins in a Desire to Prevent Human Suffering. *By B. F. Masten*	December	27

MISCELLANEOUS

Pigue is New Advertising Manager	March	22
Stills Fired in Argentine Refinery	March	31
Larger and Complete Refining Units Revealed by U. S. Census	March	69
Refining District Centers About Great Lakes. *By Keith J. Fanshier*	A	
Centralization Contributes to Indian Refining Co Success. *By Keith J. Fanshier*		
Petroleum Refining Capacity Requ States. *By Charles L. Parmelee*		
What About the Weather?		
England Buys More		
Results of Rete		
Start Them T *By*		
Produc tories		